

10/523,894

(FILE 'HOME' ENTERED AT 22:12:25 ON 17 SEP 2006)

FILE 'REGISTRY' ENTERED AT 22:12:34 ON 17 SEP 2006

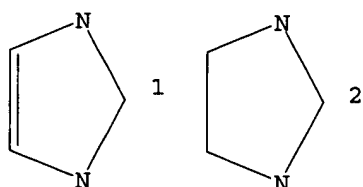
L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

G1—G2



G1 Ni,Pd,Pr

G2 [@1],[@2]

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 22:12:54 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1413 TO ITERATE

100.0% PROCESSED 1413 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 26005 TO 30515

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 22:12:58 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 29341 TO ITERATE

100.0% PROCESSED 29341 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

L3 4 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

166.94

167.15

FILE 'CAPLUS' ENTERED AT 22:13:03 ON 17 SEP 2006

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FILE COVERS 1907 - 17 Sep 2006 VOL 145 ISS 13  
FILE LAST UPDATED: 15 Sep 2006 (20060915/ED)

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=> s l3

L4 2 L3

=> d 1-2 bib abs

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2000:757142 CAPLUS  
DN 134:71704  
TI Palladium Complexes Containing a Hemilabile Pyridylcarbene Ligand  
AU Chen, Jack C. C.; Lin, Ivan J. B.  
CS Department of Chemistry, Fu-Jen Catholic University, Taipei, 24205, Taiwan  
SO Organometallics (2000), 19(24), 5113-5121  
CODEN: ORGND7; ISSN: 0276-7333  
PB American Chemical Society  
DT Journal  
LA English  
OS CASREACT 134:71704  
AB Pd complexes with a hemilabile terdentate carbene ligand, 1,3-bis(2-pyridyl)imidazol-2-ylidene (pyimypy), were synthesized. Mol. structures of [pyimypyH]Cl·H<sub>2</sub>O (1), [Pd(pyimypy)<sub>2</sub>][PF<sub>6</sub>]<sub>2</sub> (4), [Pd(pyimypy)<sub>2</sub>Br]·2H<sub>2</sub>O (5), [Pd(pyimypy)<sub>2</sub>I][I]<sub>1/2</sub>[PF<sub>6</sub>]<sub>1/2</sub> (6), and [Pd(pyimypy)(PPh<sub>3</sub>)<sub>2</sub>Br]·Br·MeCN·H<sub>2</sub>O (8) were determined by single-crystal x-ray diffraction. In compound 4, the two bidentate pyimypy ligands are in a cis configuration and the Pd center has a highly distorted square-planar geometry. Compds. 5 and 6 have a bidentate and a monodentate pyimypy ligand. Compound 8 has two trans phosphine ligands, and the pyimypy behaves as a monodentate ligand. Compds. 4, 5, and 6 are fluxional in solution at room temperature Halide- and solvent-assisted exchange processes involving coordinated and free pyridines are thought to be responsible for the fluxional behavior. Complex 4 is active toward the catalytic polymerization of CO/norbornylene.  
RE.CNT 122 THERE ARE 122 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1997:476218 CAPLUS  
DN 127:144274  
TI Synthesis and Molecular Structure of the First Metal Complex of an Analog of Guanine with PdII-C(8) Binding  
AU Romerosa, Antonio; Suarez-Varela, Jose; Hidalgo, M. Angel; Avila-Roson, J. Carlos; Colacio, Enrique

CS Departamento de Quimica Fisica Bioquimica y Quimica Inorganica Facultad de  
 Ciencias Experimentales, Universidad de Almeria, Almeria, 04071, Spain

SO Inorganic Chemistry (1997), 36(17), 3784-3786  
 CODEN: INOCAJ; ISSN: 0020-1669

PB American Chemical Society

DT Journal

LA English

AB The reaction of cis-[PdCl<sub>2</sub>(PPh<sub>3</sub>)<sub>2</sub>] with NaL (HL = 8-methylthiotheophylline) leads to the complex trans-[PdCl(L)(PPh<sub>3</sub>)] (1). It crystallizes in the monoclinic space group P2<sub>1</sub>/n with a 14.112(3), b 16.208(3), c 18.054(4) Å, β 99.92(3)°, V = 4065.5(15) Å<sup>3</sup>, Z = 4, R = 0.0498, Rw = 0.0487. The square-planar palladium atom is coordinated by two trans-PPh<sub>3</sub> mols., one chloride anion and one N7-bonded 8-methylthiotheophyllinato ligand. By refluxing 1 with NaOH in a H<sub>2</sub>O/CH<sub>2</sub>Cl<sub>2</sub> mixture, the mixed ligand complex cis-[Pd(L)(L')(PPh<sub>3</sub>)] (2, HL' = theophylline) is formed. 2 Crystallizes in the monoclinic space group Cm with a 18.641(5), b 14.788(5), c 10.507(3) Å, β 123.06(2)°, V = 2247.5(13) Å<sup>3</sup>, Z = 2, R = 0.0454 and Rw = 0.0498. In 2 the chloride anion of 1 was substituted by a C8 coordinated theophyllinato anion.

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

(FILE 'HOME' ENTERED AT 22:28:54 ON 17 SEP 2006)

FILE 'REGISTRY' ENTERED AT 22:29:32 ON 17 SEP 2006

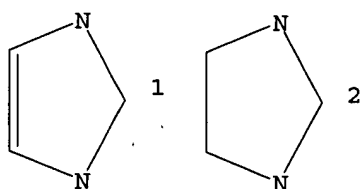
L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

G2—G1—A—G1—G2



G1 Ni,Pd,Pr

G2 [@1],[@2]

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 22:29:53 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 29333 TO ITERATE

100.0% PROCESSED 29333 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

(FILE 'HOME' ENTERED AT 22:31:28 ON 17 SEP 2006)

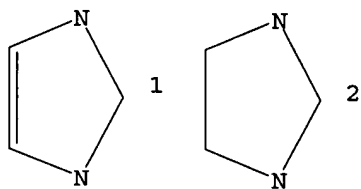
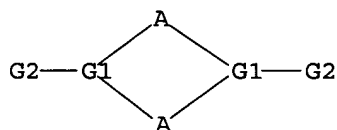
FILE 'REGISTRY' ENTERED AT 22:34:15 ON 17 SEP 2006

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 Ni,Pd,Pr

G2 [@1], [@2]

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 22:34:49 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 29333 TO ITERATE

100.0% PROCESSED 29333 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L2

0 SEA SSS FUL L1